

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2016 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0022</b>	Overall LMA Rating	Total LMA Miles						
<b>Yolo County Service Area 6</b>	<b>U</b>	<b>5.87</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.54	0.43	3.26	55.57%	0.07	0.35		
Trim / Thin Trees	0.88	0.03	1.00	17.05%				
Encroachments	0.06	0.01	0.10	1.70%	1.32			
Animal Control	0.13	0.21	0.97	16.53%				
Slope Stability	0.04		0.04	0.68%				
Erosion / Bank Caving	0.03	0.01	0.07	1.19%				0.01
Operations & Maintenance Manuals	0.06		0.06	1.02%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.48		0.48	8.18%				
DWR UCIP Field Study					0.20	0.03		
<i>LMA Totals:</i>	3.22	0.69	5.98	101.94%	1.59	0.38	0.00	0.01
<b>Unit No. 01 Right Bank of Sacramento River at Knights Landing RB</b>	Overall Unit Rating	Total Unit Miles						
<b>NA0022</b>	<b>U</b>	<b>5.87</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.54	0.43	3.26	55.57%	0.07	0.35		
Trim / Thin Trees	0.88	0.03	1.00	17.05%				
Encroachments	0.06	0.01	0.10	1.70%	1.32			
Animal Control	0.13	0.21	0.97	16.53%				
Slope Stability	0.04		0.04	0.68%				
Erosion / Bank Caving	0.03	0.01	0.07	1.19%				0.01
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.48		0.48	8.18%				
DWR UCIP Field Study					0.20	0.03		
<i>Unit Totals:</i>	3.16	0.69	5.92	100.91%	1.59	0.38	0.00	0.01

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2016 Levee Inspection Results**

**Yolo County Service Area 6**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Yolo County Service Area 6**

Waterway			Bank	Unit Miles
Unit No. 01 Right Bank of Sacramento River at Knights Landing			Right	5.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	4/12/2016 - 4/12/2016		10/7/2016 - 10/7/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
Accompanied By			Anna Louzon Yolo County Administrator's Office	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start		Rating **	M	Issue No.	33
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0022_01_s_2013_33				
Comment Code					
Inspector Comment					
Yolo County Administrator's Office will check the status of levee manuals for their levees and inform DWR.					

No Photos

LM Start		Rating **	A	Issue No.	34
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0022_01_s_2013_34				
Comment Code					
Inspector Comment					
Yolo County OES has a written flood response plan and flood response training.					

No Photos

LM Start		Rating **	A	Issue No.	38
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0022_01_s_2012_38				
Comment Code					
Inspector Comment					
Yolo County OES has a stockpile of flood response material.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.00	Rating **	M	Issue No.	65
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.799216 °	38.801317 °
				-121.724354 °	-121.722115 °
DWR ID	DWR_NA0022_01_s_2016_65				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove oak trees less than 4" in diamater at chest height on both sides of slope and trim trees.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_65\_20160913\_00046.jpg



View of the small oak trees on the landward side of the levee looking downstream. Spring 2016.

LM Start	0.00	Rating **	M	Issue No.	66
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.799216 °	38.801319 °
				-121.724357 °	-121.722112 °
DWR ID	DWR_NA0022_01_s_2016_66				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove oak tree that are less than 4" in diameter at chest height from within 20' of waterside levee slope and trim trees.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_66\_20160913\_00047.jpg



View of the oak trees on the waterward side of the levee looking downstream. Spring 2016.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.01	Rating **	U	Issue No.	64
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.799215 °	38.799215 °
				-121.724341 °	-121.724341 °
DWR ID	DWR_NA0022_01_f _ 2016_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
More than 2 cub.ft of soil observed around the burrow.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_64\_20161010\_00148.jpg



Rodent burrow on LS slope of the levee across from Outfall Gates. Fall inspection 10/07/2016.

LM Start	0.11	Rating **	M	Issue No.	85
LM End	0.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.800490 °	38.800490 °
				-121.723463 °	-121.723463 °
DWR ID	DWR_NA0022_01_s_2016_85				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.13	Rating **	M	Issue No.	396
LM End	0.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800647 °	38.800647 °
				-121.723212 °	-121.723212 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31903 DS_ID:19515 EP_NO: 9425 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to properly abandon crossing per Title 23-- pipe has been disconnected. No signs of pipe visible on waterward and landward sides. Need to contact owner to determine additional information about pipe section through levee. FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3.0-feet below the crown. Pump structure in channel. (Automatic Board Order (ABO) issued as Permit No. 9425, 1974 - Nuttall). [Additional Reference(s): DWR Levee Log, 1990 and 2005]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_31903\_58222.jpg



View of landward side.

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>396 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2016\_31903\_58221.jpg



Overview of levee crown looking at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.13	Rating **	M	Issue No.	6
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.800645 °	38.801336 °
				-121.723172 °	-121.722106 °
DWR ID	DWR_NA0022_01_s_2012_6				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim trees to allow visibility.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_6\_20160913\_00007.jpg



View of the vegetation and trees on the waterward side of the levee looking downstream. Fall 2015.

LM Start	0.13	Rating **	M	Issue No.	101
LM End	0.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800677 °	38.800677 °
				-121.723090 °	-121.723090 °
DWR ID	DWR_NA0022_01_s_2016_101				
Comment Code					
PO : Pole					
Inspector Comment					
Utility pole is on the landward shoulder.					

No Photos

LM Start	0.19	Rating **	M	Issue No.	29
LM End	0.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801098 °	38.801098 °
				-121.722298 °	-121.722298 °
DWR ID	DWR_NA0022_01_s_2016_29				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_29\_20160913\_00028.jpg



View of the pruning pile looking downstream. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.21	Rating **	M	Issue No.	397
LM End	0.21	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801280 °	38.801280 °
				-121.722000 °	-121.722000 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31904 DS_ID:19516 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to properly abandon per Title 23 if corssing is no longer used--debris inside concrete box and near site. Need to contact owner. FIELD_STRUCT_DESC: 48-inch corrugated metal pipe through the levee, 14.5 feet below the crown. Slide gate in concrete box on the waterside (WS) bank. (Automatic Board Order (ABO) issued as Permit No. unknown, 1976 - Wallace) [Additional Reference(s): DWR Levee Log, 1990 and 2005] FS Date: 3/4/2014					

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>397 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_31904\_58228.jpg



Pipe section with holes abandoned on waterward side.

Photo 2 of 2 : UCIP\_FA\_2016\_31904\_58227.jpg



View of waterward toe photo taken from bridge.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.22	Rating **	M	Issue No.	28
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801394 °	38.801613 °
				-121.721918 °	-121.721328 °
DWR ID	DWR_NA0022_01_s_ 2012_28				
Comment Code					
BU : Building					
Inspector Comment					
RV park runs on and along levee to bridge.					

LM Start	<b>0.22</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA\_2016\_NA0022\_350\_28\_20160913\_00026.jpg



The RV park is encroached into the levee crown. Fall 2013

Photo 2 of 2 : FA\_2016\_NA0022\_350\_28\_20160913\_00027.jpg



Trailers on the crown of the levee. Spring 2014

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.26	Rating **	M	Issue No.	414
LM End	0.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801597 °	38.801597 °
				-121.721226 °	-121.721226 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:45403  
DS\_ID:19513  
EP\_NO: 9424  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Unable to determine alignment of crossing--it's either through levee or along landward side. It appears that the waterline goes along landward side. Need to contact owner to obtain additional information about crossing. 2 inch metal pipe sticking out at the waterward berm edge.  
FIELD\_STRUCT\_DESC: Water pipe through the levee at an unknown depth below the crown. Faucets in the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9424, 1974 - Ivey). [Additional Reference(s): DWR Levee Log, 1990 and 2005].  
FS Date: 3/4/2014

LM Start	<b>0.26</b>	Rating **	M	Issue No.	<b>414 (cont)</b>
LM End	<b>0.26</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_45403\_60805.jpg



Spigot located on landward side.

Photo 2 of 2 : UCIP\_FA\_2016\_45403\_60804.jpg



Spigot located on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>398</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801867 °	38.801867 °
				-121.719923 °	-121.719923 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:31906  
DS\_ID:19534  
EP\_NO: 17016  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Unable to confirm crossing alignment--steel pipe visible on waterward side however, unable to confirm if crossing is the same one found during field confirmation. Need to contact owner to verify alignment and status of crossing. Slope was too steep to verify and obtain additional information about pipe.  
FIELD\_STRUCT\_DESC: Three 2-inch and three 1.5-inch fiber optic conduits through the levee, encased in a single high-density polyethylene (HDPE) conduit, 30-feet below the levee crown. Concrete caps on both ends of the casing, on the landside (LS) and waterside (WS). Voids in the HDPE conduit grouted. (Permit No. 17016, 2000 - Pacific Fiber Link, LLC).  
FS Date: 3/4/2014

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>398 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_31906\_58238.jpg



Steel pipe located on waterward side--pipe disconnected.

Photo 2 of 2 : UCIP\_FA\_2016\_31906\_58237.jpg



No pipe attached along bridge.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.35	Rating **	M	Issue No.	26
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801886 °	38.802020 °
				-121.719588 °	-121.718889 °
DWR ID	DWR_NA0022_01_s_2012_26				
Comment Code					
BU : Building					
Inspector Comment					
Apartments with chainlink fence with lathe woven into it.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_26\_20160913\_00023.jpg



The apartments and fence along the toe of the levee. Fall 2013

LM Start	0.35	Rating **	M	Issue No.	102
LM End	0.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801887°	38.802225°
				-121.719587°	-121.717186°
DWR ID	DWR_NA0022_01_s_2016_102				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove oak tree that is less than 4" at breast height.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_102\_20160913\_00069.jpg



View of the trees on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.36	Rating **	M	Issue No.	68
LM End	0.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.801922°	38.802080°
				-121.719396°	-121.718458°
DWR ID	DWR_NA0022_01_f_2016_68				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.37	Rating **	M	Issue No.	103
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801980 °	38.801980 °
				-121.719117 °	-121.719117 °
DWR ID	DWR_NA0022_01_s_2016_103				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove oak tree that is less than 4" at breast height.					

No Photos

LM Start	0.40	Rating **	M	Issue No.	71
LM End	0.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802052 °	38.802052 °
				-121.718624 °	-121.718624 °
DWR ID	DWR_NA0022_01_f_2016_71				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_71\_20161010\_00150.jpg



Vehicles and equipment on waterward side of the levee. Fall inspection 10/07/2016.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

## Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.42	Rating **	M	Issue No.	104
LM End	0.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802106 °	38.802126 °
				-121.718269 °	-121.718133 °
DWR ID	DWR_NA0022_01_s_2016_104				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove trees that are less than 4'.					

A photograph of a residential property. In the foreground, there is a gravel driveway on the left and a large, dense green bush in the center. To the right of the bush is a white house with a brown roof. The house has a small porch and a window with a white frame. The background is filled with more trees and a clear sky. A date stamp '04/12/2016' is visible in the bottom right corner of the image.

View of the tree on the landward side of the levee looking downstream.  
Spring 2016.

LM Start	0.43	Rating **	M	Issue No.	105
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.802139 °	38.802139 °
				-121.718065 °	-121.718065 °
DWR ID	DWR_NA0022_01_s_2016_105				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.50	Rating **	M	Issue No.	395
LM End	0.54	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802120 °	38.801882 °
				-121.716867 °	-121.716165 °
DWR ID	DWR_NA0022_01_f_2013_395				
Comment Code					
MA : Material					
Inspector Comment					

A photograph of a fenced-in area, likely a playground or park. In the foreground, a chain-link fence runs across the frame, with a blue trash can visible on the left. Behind the fence, there is a blue and red play structure on the left, a large tree in the center, and a ladder leaning against a fence on the right. The background shows more trees and a clear blue sky.

Material blocking visibility on the waterside of the levee. Fall 2013

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.51	Rating **	M	Issue No.	406
LM End	0.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.802062 °	38.802062 °
				-121.716740 °	-121.716740 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31627 DS_ID:19544 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if signs of crossing are for the same crossing listed here. Need to contact owner and determine additional information about crossing. Also found is service box for water line--need permit and alignment confirmation. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee at an unknown depth below the crown. [Additional Reference(s): DWR Levee Log, 1990 and 2005. USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 285+27)]. FS Date: 3/4/2014					

LM Start	<b>0.51</b>	Rating **	M	Issue No.	<b>406 (cont)</b>
LM End	<b>0.51</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_31627\_57881.jpg



View of landward side. Alignment is visible on paved road.

Photo 2 of 2 : UCIP\_FA\_2016\_31627\_57880.jpg



View of waterward side. Alignment is visible on paved road.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.53	Rating **	C	Issue No.	69
LM End	0.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.801950 °	38.801950 °
				-121.716299 °	-121.716299 °
DWR ID	DWR_NA0022_01_f_2015_69				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	M	Issue No.	24
LM End	0.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801910 °	38.801823 °
				-121.716170 °	-121.715683 °
DWR ID	DWR_NA0022_01_s_2012_24				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_24\_20160913\_00021.jpg



The lawn area is on the levee waterside and crown. Fall 2013

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.55	Rating **	M	Issue No.	408
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801855 °	38.801855 °
				-121.716003 °	-121.716003 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38995 DS_ID:19553 EP_NO: 17649 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 1 inch line visible on landward side (38.801855, -121.716003) unable to confirm if line is the line authorized. Need to contact owner to confirm installation and size. FIELD_STRUCT_DESC: 2 of 2: 1.5-inch water line of unknown material through the levee, 2 feet below the levee crown. (Permit No. 17649, 2004 - Rose) FS Date: 3/4/2014					

No Photos

LM Start	0.56	Rating **	A/W	Issue No.	23
LM End	0.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801965 °	38.801468 °
				-121.715705 °	-121.714348 °
DWR ID	DWR_NA0022_01_s_2012_23				
Comment Code					
BU : Building					
Inspector Comment					
Yolo Sutter Yacht Club Permit No. 2778.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_23\_20160913\_00020.jpg



View of the Yacht club on the crown of the levee looking downstream.  
Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.57	Rating **	U	Issue No.	22
LM End	0.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801815 °	38.800208 °
				-121.715628 °	-121.709437 °
DWR ID	DWR_NA0022_01_s_2012_22				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander hedge					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_22\_20160913\_00019.jpg



Oleanders along the shoulder.

LM Start	0.57	Rating **	M	Issue No.	412
LM End	0.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801798 °	38.801798 °
				-121.715584 °	-121.715584 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38188					
DS_ID:19519					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements.					
FIELD_STRUCT_DESC: 10-inch pipe of unknown material through the levee, 3.3 feet below the crown. Plate welded on waterside (WS) end in 1975. 24-inch concrete riser on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 and 2005].					
FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_38188\_69562.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.57	Rating **	M	Issue No.	412 (cont)	
LM End	0.57	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.801798 °		38.801798 °
				-121.715584 °		-121.715584 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:38188						
DS_ID:19519						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Unable to find any signs of crossing on waterward side. Signs of concrete riser visible on landward side. If crossing is abandoned owner will need to coordinate with the Central Valley Flood Protection Board (CVFPB) for Title 23 requirements.						
FIELD_STRUCT_DESC: 10-inch pipe of unknown material through the levee, 3.3 feet below the crown. Plate welded on waterside (WS) end in 1975. 24-inch concrete riser on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990 and 2005].						
FS Date: 3/4/2014						

Photo 2 of 2 : UCIP\_FA\_2016\_38188\_69560.jpg



View of waterward slope. Large hole visible on waterward side.

LM Start	0.65	Rating **	M	Issue No.	70
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.801372 °	38.801372 °
				-121.714247 °	-121.714247 °
DWR ID	DWR_NA0022_01_f_2015_70				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_70\_20160913\_00049.jpg



View of the firewood on the landward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.70	Rating **	M	Issue No.	106
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.801059 °	38.801059 °
				-121.713373 °	-121.713373 °
DWR ID	DWR_NA0022_01_s_2016_106				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove oak tree less than 4" at chest height that is within 20' of waterside shoulder.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_106\_20160913\_00071.jpg



View of the small tree on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.74	Rating **	M	Issue No.	107
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800865 °	38.800582 °
				-121.712682 °	-121.711490 °
DWR ID	DWR_NA0022_01_s_2016_107				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees that are less than 4" at breast height.					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.83	Rating **	M	Issue No.	73
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800501 °	38.800501 °
				-121.711005 °	-121.711005 °
DWR ID	DWR_NA0022_01_s_2015_73				
Comment Code					
BU : Building					
Inspector Comment					
There are beehives on the landward side of the levee.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_73\_20160913\_00050.jpg



View of the beehives on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.93	Rating **	M	Issue No.	404
LM End	0.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.800200 °	38.800200 °
				-121.709258 °	-121.709258 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31969 DS_ID:19540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed. FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 4.6 feet below the crown. Pump and valve are located on the waterside (WS) bank. Pipe and pump were removed and replaced under Permit No. 3798 (1962) SEE DS_ID 19521. [Additional Reference(s): USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 266+72.2)]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_31969\_58410.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	0.93	Rating **	M	Issue No.	404 (cont)	
LM End	0.93	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.800200 °		38.800200 °
				-121.709258 °		-121.709258 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31969						
DS_ID:19540						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe section on waterward side appears to have been removed and reinstalled--Need to contact owner to obtain additional information regarding work completed.						
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 4.6 feet below the crown. Pump and valve are located on the waterside (WS) bank. Pipe and pump were removed and replaced under Permit No. 3798 (1962) SEE DS_ID 19521. [Additional Reference(s): USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 266+72.2)].						
FS Date: 3/4/2014						

Photo 2 of 2 : UCIP\_FA\_2016\_31969\_58409.jpg



Pipe located on waterward side.

LM Start	0.95	Rating **	U	Issue No.	21
LM End	1.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800188 °	38.802138 °
				-121.708918 °	-121.701797 °
DWR ID	DWR_NA0022_01_s_2012_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation completely blocks visibility on the landward slope. Remove unwanted vegetation and trim and tin trees for visibility.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_21\_20160913\_00018.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.01	Rating **	M	Issue No.	17
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800246 °	38.800246 °
				-121.707858 °	-121.707858 °
DWR ID	DWR_NA0022_01_s_2014_17				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Trees blocking visibility and a dead tree on the levee slope.					

A photograph showing a large, dead, and uprooted tree trunk and branches lying across a gravel road. The tree is dry and skeletal, with many bare branches. The road is made of light-colored gravel and dirt. In the background, there is a dense line of green trees and a clear blue sky.

A tree has fallen on the crown and blocks visibility. Spring 2014

LM Start	1.07	Rating **	U	Issue No.	109
LM End	1.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.800401 °	38.800401 °
				-121.706799 °	-121.706799 °
DWR ID	DWR_NA0022_01_s_2016_109				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree is blocking crown roadway.					

View of the tree blocking the crown of the levee looking upstream.  
Spring 2016.

LM Start	1.37	Rating **	M	Issue No.	72
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802134 °	38.797517 °
				-121.701714 °	-121.697814 °
DWR ID	DWR_NA0022_01_f_2016_72				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

View of vegetation on LS slope. Fall inspection 10/07/2016.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>20</b>
LM End	<b>1.41</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.802153°	38.802092°
				-121.701519°	-121.701031°
DWR ID	DWR_NA0022_01_s_2016_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>1.66</b>	Rating **	M	Issue No.	<b>110</b>
LM End	<b>1.66</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.799176°	38.799176°
				-121.698372°	-121.698372°
DWR ID	DWR_NA0022_01_s_2016_110				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	<b>1.70</b>	Rating **	M	Issue No.	<b>111</b>
LM End	<b>1.73</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.798683°	38.798263°
				-121.698232°	-121.698103°
DWR ID	DWR_NA0022_01_s_2016_111				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees that are less than 4" in diameter at breast height.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.72	Rating **	M	Issue No.	399
LM End	1.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.798388 °	38.798388 °
				-121.698145 °	-121.698145 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:31912  
DS\_ID:19522  
EP\_NO: 6296  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Siphon breaker housing on landward slope unit damaged and debris scattered on landward side. Unable to determine if crossing is still in use. Need to contact owner to determine status of crossing.  
FIELD\_STRUCT\_DESC: 12-inch (not 14 inch as indicated in desk study) irrigation pipe through the levee, 11.8 feet below the crown. 1.25 electrical conduit through the levee. Electrical control panel on waterside (WS) slope. Slant pump, mounted on steel structure on the WS bank. Siphon breaker on the landside (LS) shoulder. Standard corrugated metal cutoff wall around pipe at centerline of levee. Pipe extends from pump to existing irrigation ditch at LS toe. (Permit No. 6296, 1968 - Collier) [Additional Reference(s): DWR Levee Log, 1990 and 2005].  
FS Date: 3/4/2014

LM Start	<b>1.72</b>	Rating **	M	Issue No.	<b>399 (cont)</b>
LM End	<b>1.72</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_31912\_58261.jpg



View of landward side.

Photo 2 of 2 : UCIP\_FA\_2016\_31912\_58260.jpg



Riser on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.75	Rating **	M	Issue No.	413
LM End	1.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.797928 °	38.797928 °
				-121.697992 °	-121.697992 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38190 DS_ID:19539 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch (not 18-inch as mentioned in USACE O&M manual) corrugated metal irrigation pipe through the levee. Gate valve in pumphouse on waterside (WS) (no pump house found). Pipe was abandoned prior to 1968. [Additional Reference(s): USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 224+3.5)]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_38190\_69563.jpg



View of waterward side.

LM Start	<b>1.75</b>	Rating **	M	Issue No.	<b>413 (cont)</b>
LM End	<b>1.75</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2016\_38190\_69565.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.77	Rating **	M	Issue No.	112
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.797596 °	38.797596 °
				-121.697855 °	-121.697855 °
DWR ID	DWR_NA0022_01_s_2016_112				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove walnut and oak tree at landside toe that is less than 4" in diameter at breast height.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_112\_20160913\_00073.jpg



View of the tree at the toe of the levee on the landward side looking downstream. Spring 2016.

LM Start	1.78	Rating **	M	Issue No.	113
LM End	1.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.797496 °	38.797496 °
				-121.697781 °	-121.697781 °
DWR ID	DWR_NA0022_01_s_2016_113				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.80	Rating **	M	Issue No.	9
LM End	1.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.797228 °	38.797228 °
				-121.697577 °	-121.697577 °
DWR ID	DWR_NA0022_01_f_2013_9				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_9\_20160913\_00010.jpg



Trees need to be trimmed up to 12 feet above the crown. Fall 2013

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Yolo County Service Area 6

No Photos

View of the trees on the waterward side of the levee looking downstream. Spring 2016.

View of the prunings on the waterward side of the levee. Spring 2015.

Page 27 of 80

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.96	Rating **	U	Issue No.	119
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.795418 °	38.795418 °
				-121.695964 °	-121.695964 °
DWR ID	DWR_NA0022_01_s_2016_119				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_119\_20160913\_00075.jpg



View of the rodent hole on the landward side of the levee. Spring 2016.

LM Start	1.96	Rating **	C	Issue No.	74
LM End	1.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.795401 °	38.795401 °
				-121.695947 °	-121.695947 °
DWR ID	DWR_NA0022_01_s_2015_74				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.96	Rating **	M	Issue No.	118
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.795360 °	38.794760 °
				-121.695952 °	-121.695781 °
DWR ID	DWR_NA0022_01_s_2016_118				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees that are less than 4" in diameter at breast height.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.97	Rating **	M	Issue No.	411
LM End	1.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.795248 °	38.795248 °
				-121.695958 °	-121.695958 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40536 DS_ID:19524 EP_NO: 9413 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Alignment through levee unknown--no signs of crossing through landward side. Need to contact owner to determine status of crossing. This crossing appears to have been updated since 1970s. FIELD_STRUCT_DESC: 24-inch pipe through the levee, 15.5 feet below the crown. Gate valve on the landside (LS) end. Ramp on waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company). Added appurtenances (noticed in 2014) pump, metal frame platform, flow meter, and control panel located on WS. Appurtenances could be associated with Permit No. 12804. [Additional Reference(s): DWR Levee Log, 1955, 1990, and 2005]. This appears to be the same entry as DS_ID 19538. FS Date: 3/4/2014					

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>411 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_40536\_58265.jpg



View of landward side.

Photo 2 of 2 : UCIP\_FA\_2016\_40536\_58264.jpg



View of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	1.97	Rating **	M	Issue No.	117
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.795234 °	38.793974 °
				-121.695898 °	-121.695852 °
DWR ID	DWR_NA0022_01_s_2016_117				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_117\_20161010\_00152.jpg



Series of animal burrows on LS slope of the levee. Fall inspection 10/07/2016.

LM Start	2.00	Rating **	M	Issue No.	120
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.794755 °	38.794755 °
				-121.695779 °	-121.695779 °
DWR ID	DWR_NA0022_01_s_2016_120				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.03	Rating **	M	Issue No.	90
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.794419 °	38.794419 °
				-121.695700 °	-121.695700 °
DWR ID	DWR_NA0022_01_f_2015_90				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.04	Rating **	M	Issue No.	407
LM End	2.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794288 °	38.794288 °
				-121.695678 °	-121.695678 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:31632  
DS\_ID:19523  
EP\_NO: 9413  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Erosion at outlet. Unable to determine if crossing is still in use. Will need to contact owner to determine status of crossing.  
FIELD\_STRUCT\_DESC: 30-inch corrugated metal gravity pipe through the levee, 13.5 feet below the crown. Slide gate on both ends in 48-inch corrugated metal pipe (CMP) riser. (pipe retained under Automatic Board Order (ABO) issued as Permit No. 9413, 1974 - Wallace Construction Company; pump installed under Permit No. 12804, 1980 - Wallace Construction Company). Pumpstation appears to be located at CLM 1.969 and pipe runs along WS berm and discharges to ditch where the 30-inch pipe is used to convey the irrigation water to landside (LS) [Additional Reference(s): DWR Levee Log 1990 and 2005].  
FS Date: 3/4/2014

LM Start	<b>2.04</b>	Rating **	M	Issue No.	<b>407 (cont)</b>
LM End	<b>2.04</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_31632\_57905.jpg



Outlet located on landward toe.

Photo 2 of 2 : UCIP\_FA\_2016\_31632\_57903.jpg



Overview of levee crown at crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.04	Rating **	M	Issue No.	7
LM End	2.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.794259 °	38.792907 °
				-121.695697 °	-121.696033 °
DWR ID	DWR_NA0022_01_s_ 2016_7				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the toe of the levee.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_7\_20160913\_00008.jpg



View of the ditch at the levee toe on the landward side looking downstream. Spring 2016.

LM Start	2.06	Rating **	M	Issue No.	400
LM End	2.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794035 °	38.794035 °
				-121.695870 °	-121.695870 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31915					
DS_ID:19538					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23.					
FIELD_STRUCT_DESC: 20-inch corrugated metal drain pipe through the levee at an unknown depth. 20-inch gate valve is located on the landside (LS) slope. [Additional Reference(s): USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 208+15)]. This crossing could be the same record as DS_ID 19524--unable to confirm.					
FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_31915\_58270.jpg



Slide gate inside canal.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.06	Rating **	M	Issue No.	400 (cont)
LM End	2.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.794035 °	38.794035 °
				-121.695870 °	-121.695870 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31915 DS_ID:19538 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Buried gate valve on landward slope. Crossing appears to be non-functional. Landward pipe section across canal has deteriorated. Will need to contact owner to determine status of crossing. If crossing is not in use owner will need to contact the CVFPB to abandon properly according to Title 23. FIELD_STRUCT_DESC: 20-inch corrugated metal drain pipe through the levee at an unknown depth. 20-inch gate valve is located on the landside (LS) slope. [Additional Reference(s): USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 208+15)]. This crossing could be the same record as DS_ID 19524--unable to confirm. FS Date: 3/4/2014					

Photo 2 of 2 : UCIP\_FA\_2016\_31915\_58269.jpg



View of canal runs parallel on landward toe.

LM Start	2.07	Rating **	M	Issue No.	88
LM End	2.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.793932 °	38.793803 °
				-121.695919 °	-121.696066 °
DWR ID	DWR_NA0022_01_s_2016_88				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees that are less than 4" in diameter at breast height.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.12	Rating **	M	Issue No.	121
LM End	2.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.793194 °	38.793194 °
				-121.696114 °	-121.696114 °
DWR ID	DWR_NA0022_01_s_2016_121				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height.					

No Photos

LM Start	2.14	Rating **	U	Issue No.	8
LM End	2.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.792956 °	38.791249 °
				-121.696025 °	-121.695223 °
DWR ID	DWR_NA0022_01_s_2012_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
More than 5 holes on 25-foot stretch.					

Photo 1 of 3 : FA\_2016\_NA0022\_350\_8\_20161010\_00153.jpg



View from levee toe on animal burrows on LS slope. Fall inspection 10/07/2016.

LM Start	<b>2.14</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>2.27</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA\_2016\_NA0022\_350\_8\_20161010\_00155.jpg



Another view of the burrows from levee crown. Fall inspection 10/07/2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	<b>2.14</b>	Rating **	U	Issue No.	<b>8 (cont)</b>	
LM End	<b>2.27</b>	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			38.792956 °	38.791249 °	
				-121.696025 °	-121.695223 °	
DWR ID	DWR_NA0022_01_s _ 2012_8					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
More than 5 holes on 25-foot stretch.						

View of the rodent hole on the landward side of the levee looking downstream. Fall 2015.

LM Start	2.14	Rating **	M	Issue No.	91
LM End	2.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.792942 °	38.792670 °
				-121.696033 °	-121.695798 °
DWR ID	DWR_NA0022_01_f _ 2015_91				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

View of the trees on the waterward side of the levee looking downstream. Fall 2015.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                    A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

## Yolo County Service Area 6

An updated view of the equipment on landward side. Fall inspection 10/07/2016.

Page 36 of 80



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.18	Rating **	M	Issue No.	40 (cont)	
LM End	2.18	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.792499 °		38.792499 °
				-121.695508 °		-121.695508 °
DWR ID	DWR_NA0022_01_s_2012_40					
Comment Code						
EQ : Equipment						
Inspector Comment						
Equipment is placed at the toe of the levee.						

Photo 2 of 2 : FA\_2016\_NA0022\_350\_40\_20160913\_00036.jpg



View of equipment on the landward side of the levee looking downstream. Fall 2015.

LM Start	2.20	Rating **	M	Issue No.	39
LM End	2.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.792283 °	38.792283 °
				-121.695447 °	-121.695447 °
DWR ID	DWR_NA0022_01_s_2012_39				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood is placed at the levee toe.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_39\_20160913\_00035.jpg



View of the growing firewood at the toe of the landward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.21	Rating **	M	Issue No.	93
LM End	2.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.792055 °	38.792055 °
				-121.695446 °	-121.695446 °
DWR ID	DWR_NA0022_01_f_2015_93				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

LM Start	<b>2.21</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>2.21</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA\_2016\_NA0022\_350\_93\_20161010\_00157.jpg



Slope stability issue in LS slope of the levee. Fall inspection 10/07/2016.

Photo 2 of 2 : FA\_2016\_NA0022\_350\_93\_20160913\_00063.jpg



View of the slope stability on the landward side of the levee looking downstream. Fall 2015.

LM Start	2.24	Rating **	M	Issue No.	35
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.791652 °	38.791468 °
				-121.695403 °	-121.695342 °
DWR ID	DWR_NA0022_01_s_2016_35				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Repair rills on landward side of the levee.					

Photo 1 of 2 : FA\_2016\_NA0022\_350\_35\_20160913\_00030.jpg



Perspective view of the erosion on the landward side of the levee. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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## Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	<b>2.24</b>	Rating **	M	Issue No.	<b>35 (cont)</b>	
LM End	<b>2.25</b>	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Erosion / Bank Caving			38.791652 °	38.791468 °	
				-121.695403 °	-121.695342 °	
DWR ID	DWR_NA0022_01_s _ 2016_35					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Repair rills on landward side of the levee.						

Erosion is on the landward side of the levee. Spring 2016.

LM Start	2.26	Rating **	M	Issue No.	75
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.791392 °	38.791392 °
				-121.695307 °	-121.695307 °
DWR ID	DWR_NA0022_01_f_2016_75				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

View of erosion site on landward slope of the levee. Fall inspection  
10/07/2016.

LM Start	2.26	Rating **	M	Issue No.	86
LM End	2.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.791391 °	38.791391 °
				-121.695305 °	-121.695305 °
DWR ID	DWR_NA0022_01_f_2016_86				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Rodent hole on levee crown. Fall inspection 10/07/2016.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.28	Rating **	M	Issue No.	95
LM End	2.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.791076 °	38.791076 °
				-121.695098 °	-121.695098 °
DWR ID	DWR_NA0022_01_f_2015_95				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.32	Rating **	M	Issue No.	92
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.790607 °	38.790357 °
				-121.694783 °	-121.694621 °
DWR ID	DWR_NA0022_01_s_2016_92				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.35	Rating **	U	Issue No.	416
LM End	2.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.790260 °	38.790260 °
				-121.694510 °	-121.694510 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:49982  
DS\_ID:19525  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 7/13/2016 same as last inspection. Erosion has progressed--Need to coordinate with owner to address erosion on LS toe. (DWR UCIP - omagana)3/04/2014 Surface erosion near concrete box on landward side. Unable to determine if crossing is leaking or if pump is pulling sand from waterward side. Need to contact owner to determine status of crossing and to check integrity of crossing. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation pipe through the levee, 4 feet below the crown (levee logs from 1955 indicate crossing is 18.9 feet below crown). Concrete well and pumphouse located on the waterside (WS). Screw gate is located in pump house. Slant pump mounted on steel structure on the WS bank, installed under Permit No. 5951 (1967). Concrete discharge box (4-feet by 4-feet) is located on the toe of landside (LS) slope. Overhead powerline and anchor crosses levee. Pole is located on both shoulders. [Additional Reference(s): DWR Levee Log, 1955, 1990, and 2005. USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 192+60)].  
FS Date: 7/13/2016

Photo 1 of 2 : UCIP\_FA\_2016\_49982\_57915.jpg



View of LS toe.

LM Start	2.35	Rating **	U	Issue No.	416 (cont)
LM End	2.35	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2016\_49982\_57914.jpg



Slope erosion near concrete box.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.35	Rating **	M	Issue No.	96
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.790206 °	38.790206 °
				-121.694534 °	-121.694534 °
DWR ID	DWR_NA0022_01_f_2015_96				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There seems to be an erosion around the concrete box encasing the pipe.					

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>2.35</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : FA\_2016\_NA0022\_350\_96\_20160913\_00065.jpg



Perspective view of the erosion around the pipe on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 3 : FA\_2016\_NA0022\_350\_96\_20160913\_00066.jpg



The erosion is within the levee prism. Fall 2015.

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>96 (cont)</b>
LM End	<b>2.35</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2016\_NA0022\_350\_96\_20160913\_00067.jpg



View of the pipe in the concrete box. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.35	Rating **	M	Issue No.	45
LM End	2.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.790180 °	38.790180 °
				-121.694525 °	-121.694525 °
DWR ID	DWR_NA0022_01_s_2013_45				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_45\_20160913\_00040.jpg



Concrete debris is at the toe of the levee. Spring 2013

LM Start	2.35	Rating **	M	Issue No.	97
LM End	2.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.790175 °	38.790175 °
				-121.694519 °	-121.694519 °
DWR ID	DWR_NA0022_01_f_2016_97				
Comment Code					
EQ : Equipment					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_97\_20161010\_00161.jpg



Equipment on waterside slope. Fall inspection 10/07/2016.

LM Start	2.41	Rating **	M	Issue No.	94
LM End	2.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.789382 °	38.787405 °
				-121.694584 °	-121.694283 °
DWR ID	DWR_NA0022_01_s_2016_94				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Monitor cut at the toe of the levee.					

Photo 1 of 2 : FA\_2016\_NA0022\_350\_94\_20161010\_00162.jpg



An updated view of the site where landside slope was tilled due to agricultural activity. Fall inspection 10/07/2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



## Yolo County Service Area 6

Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

Page 44 of 80

## Yolo County Service Area 6

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.44	Rating **	M	Issue No.	122
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.788962 °	38.788962 °
				-121.694427 °	-121.694427 °
DWR ID	DWR_NA0022_01_s_2016_122				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the waterward side of the levee.					

A photograph showing a large, fallen tree trunk and its branches lying across a dirt road. The tree is heavily decayed, with many bare, broken branches. The background is filled with dense green foliage. A date stamp '04/12/2016' is visible in the bottom right corner of the image.

View of the tree limbs on the waterward side of the levee looking downstream. Spring 2016.

LM Start	2.52	Rating **	U	Issue No.	37
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.787778 °	38.787778 °
				-121.694296 °	-121.694296 °
DWR ID	DWR_NA0022_01_s_2014_37				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

A photograph showing a dirt road or path that curves through a park-like setting. The road is unpaved and appears to be made of dry earth and gravel. On the right side of the road, there is a low, light-colored concrete or stone wall. Several young trees with green foliage are planted along the road. In the background, a small red vehicle, possibly a tractor or a small truck, is visible parked near some more trees. The overall scene suggests a rural or undeveloped area.

Tree stump decomposing and may pose a risk to the levee. Spring 2014

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.52	Rating **	U	Issue No.	123
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.787768 °	38.787768 °
				-121.694295 °	-121.694295 °
DWR ID	DWR_NA0022_01_s_2016_123				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0022\_350\_123\_20160913\_00077.jpg



View of the rodent hole next to a tree stump on the landward side of the levee. Spring 2016.

LM Start	<b>2.52</b>	Rating **	U	Issue No.	<b>123 (cont)</b>
LM End	<b>2.52</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2016\_NA0022\_350\_123\_20160913\_00078.jpg



Perspective view of the rodent hole looking upstream. Spring 2016.

LM Start	2.58	Rating **	M	Issue No.	11
LM End	2.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.787012 °	38.787012 °
				-121.694262 °	-121.694262 °
DWR ID	DWR_NA0022_01_s_2012_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_11\_20160913\_00011.jpg



Garage at toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.67	Rating **	U	Issue No.	87 (cont)	
LM End	2.67	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.785657 °		38.785657 °
				-121.694313 °		-121.694313 °
DWR ID	DWR_NA0022_01_s_2012_87					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : FA\_2016\_NA0022\_350\_87\_20160913\_00060.jpg



View of the erosion on the landward side of the levee looking downstream. Spring 2016.

LM Start	2.73	Rating **	M	Issue No.	99
LM End	2.73	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.784835 °	38.784835 °
				-121.694064 °	-121.694064 °
DWR ID	DWR_NA0022_01_f_2016_99				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_99\_20161010\_00164.jpg



Burnt piece of tree body on the crown. Fall inspection 10/07/2016.

LM Start	2.76	Rating **	M	Issue No.	108
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784421 °	38.783639 °
				-121.693719 °	-121.692181 °
DWR ID	DWR_NA0022_01_f_2016_108				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.81	Rating **	M	Issue No.	128
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.784059 °	38.784059 °
				-121.693094 °	-121.693094 °
DWR ID	DWR_NA0022_01_s_2016_128				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.87	Rating **	U	Issue No.	52
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.783571 °	38.783021 °
				-121.692110 °	-121.691633 °
DWR ID	DWR_NA0022_01_f_2013_52				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0022\_350\_52\_20160913\_00044.jpg



View of the rodent hole and material on the landward side of the levee.  
Fall 2015.

LM Start	<b>2.87</b>	Rating **	U	Issue No.	<b>52 (cont)</b>
LM End	<b>2.92</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2016\_NA0022\_350\_52\_20160913\_00045.jpg



There are multiple rodent holes in this area. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	2.92	Rating **	M	Issue No.	129
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.783022 °	38.782464 °
				-121.691629 °	-121.690680 °
DWR ID	DWR_NA0022_01_s_2016_129				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" in diameter at breast height.					

No Photos

LM Start	2.99	Rating **	M	Issue No.	76
LM End	2.99	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.782426 °	38.782426 °
				-121.690487 °	-121.690487 °
DWR ID	DWR_NA0022_01_s_2015_76				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.02	Rating **	M	Issue No.	42
LM End	3.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.782239 °	38.782239 °
				-121.690037 °	-121.690037 °
DWR ID	DWR_NA0022_01_s_2014_42				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_42\_20160913\_00037.jpg



A large pruning pile near the toe of the levee. Spring 2014

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Yolo County Service Area 6

# Yolo County Service Area 6



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.10	Rating **	M	Issue No.	78
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.781283 °	38.781283 °
				-121.689151 °	-121.689151 °
DWR ID	DWR_NA0022_01_s_2015_78				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.12	Rating **	M	Issue No.	46
LM End	3.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.781107 °	38.781107 °
				-121.689052 °	-121.689052 °
DWR ID	DWR_NA0022_01_s_2014_46				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_46\_20160913\_00041.jpg



Trees need to be trimmed up to at least 12 feet above the crown. Spring 2014

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.14	Rating **	M	Issue No.	47
LM End	3.14	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.780857 °	38.780857 °
				-121.688921 °	-121.688921 °
DWR ID	DWR_NA0022_01_s_2015_47				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree has fallen over from Spring 2014.					

LM Start	<b>3.14</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>3.14</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : FA\_2016\_NA0022\_350\_47\_20160913\_00042.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

Photo 2 of 2 : FA\_2016\_NA0022\_350\_47\_20160913\_00043.jpg



Some trees have fallen and others are dying and need to be monitored. The trees may pose a threat to the levee. Spring 2014

LM Start	3.18	Rating **	M	Issue No.	5
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.780407 °	38.779137 °
				-121.688238 °	-121.687432 °
DWR ID	DWR_NA0022_01_s_2016_5				
Comment Code					
Inspector Comment					
2006 - Short section is into the levee toe, rest is near the levee toe. Mass failure and fluvial erosion of depositional material. Rock at the upstream and downstream ends. 2011 - Minor new erosion. 2012 - Slope continues to steepen, tree roots have become exposed, and new eddy formed. 2015: No observed changes. [2015 Site ID: SAC 86-9 R]					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_5\_20160913\_00006.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.20	Rating **	M	Issue No.	15
LM End	3.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.779971 °	38.779971 °
				-121.688490 °	-121.688490 °
DWR ID	DWR_NA0022_01_s_2016_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_15\_20160913\_00015.jpg



View of the fallen tree on the waterward slope of the levee looking downstream. Spring 2016.

LM Start	3.23	Rating **	M	Issue No.	415
LM End	3.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779625 °	38.779625 °
				-121.688090 °	-121.688090 °
DWR ID					
Comment Code					
Inspector Comment					

Photo 1 of 2 : UCIP\_FA\_2016\_39858\_71841.jpg



View of waterward side.

FS\_ID:39858  
DS\_ID:19526  
EP\_NO: 3205  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment.  
FIELD\_STRUCT\_DESC: 12-inch irrigation pipe of unknown material through the levee, 4 feet below the crown. Pump is located on the waterside (WS). Gate valve is located on the WS slope. Siphon breaker is located inside an 18-inch concrete riser located on the landside (LS) slope. 36-inch concrete standpipe is located at toe of LS slope. Metal cutoff wall installed. Permit No. 3205 was issued in 1959 for the removal of an existing 12-inch pipe (USACE O&M Station Station 144+80) and re-installment of a 12-inch pipe. (Permit No. 3205, 1959 - Richardson) [Additional Reference(s): DWR Levee Log, 1955, 1990, and 2005. USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 144+80)].  
FS Date: 3/4/2014

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.23	Rating **	M	Issue No.	415 (cont)	
LM End	3.23	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.779625 °	38.779625 °	
				-121.688090 °	-121.688090 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39858 DS_ID:19526 EP_NO: 3205 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. FIELD_STRUCT_DESC: 12-inch irrigation pipe of unknown material through the levee, 4 feet below the crown. Pump is located on the waterside (WS). Gate valve is located on the WS slope. Siphon breaker is located inside an 18-inch concrete riser located on the landside (LS) slope. 36-inch concrete standpipe is located at toe of LS slope. Metal cutoff wall installed. Permit No. 3205 was issued in 1959 for the removal of an existing 12-inch pipe (USACE O&M Station Station 144+80) and re-installment of a 12-inch pipe. (Permit No. 3205, 1959 - Richardson) [Additional Reference(s): DWR Levee Log, 1955, 1990, and 2005. USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014						

Photo 2 of 2 : UCIP\_FA\_2016\_39858\_71840.jpg



Positive closure device is buried on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.24	Rating **	M	Issue No.	401
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.779543 °	38.779543 °
				-121.688170 °	-121.688170 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31916 DS_ID:19545 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner--Crossing appears to be abandoned. If crossing is no longer in use, crossing need to be abandoned properly per Title 23. FIELD_STRUCT_DESC: *REMOVED* 12-inch steel irrigation pipe through the levee. Pump is located on the waterside (WS). Concrete standpipe is located on the landside (LS). Permit No. 3205 was issued in 1959 for the removal of an existing 12-inch pipe (USACE O&M Station Station 144+80) and re-installment of a new 12-inch pipe. [Additional Reference(s): USACE Sacramento O&M Manuals: Unit No. 127, June 1953, (Station 144+80)]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_31916\_58275.jpg



View of landward side.

LM Start	<b>3.24</b>	Rating **	M	Issue No.	<b>401 (cont)</b>
LM End	<b>3.24</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_FA\_2016\_31916\_58274.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.41	Rating **	M	Issue No.	79
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.777204 °	38.777204 °
				-121.687045 °	-121.687045 °
DWR ID	DWR_NA0022_01_s_2015_79				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Stairs have eroded and turned into a slope stability.					

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>79 (cont)</b>
LM End	<b>3.41</b>	Issue Type +	Ma	Location *	LS

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>79 (cont)</b>
LM End	<b>3.41</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : FA\_2016\_NA0022\_350\_79\_20160913\_00053.jpg



View of the stairs on the landward side of the levee looking downstream. Spring 2015.

Photo 2 of 3 : FA\_2016\_NA0022\_350\_79\_20160913\_00054.jpg



Dirt stairs has eroded and caused a slope stability. Spring 2016.

Photo 3 of 3 : FA\_2016\_NA0022\_350\_79\_20161010\_00166.jpg



Stairwell has eroded more creating erosion issue. Fall inspection 10/07/2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.41	Rating **	M	Issue No.	402
LM End	3.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.777190 °	38.777190 °
				-121.687048 °	-121.687048 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31917 DS_ID:19527 EP_NO: 3729 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing has been modified. Need to contact owner to determine additional information pertaining to the modifications. FIELD_STRUCT_DESC: 10-inch irrigation pipe through the levee, 3 feet below the crown. 1.5-inch conduit through the levee. 1-foot below the crown. Service pole and meter at toe of landward slope. Gate valve and pump on the waterward bank. Access ramp to pump location. Siphon breaker on the landward shoulder, in 12-inch concrete riser. Metal cutoff wall installed. (Permit No. 3729-1961).[Additional Reference(s): DWR Levee Log, 1990 and 2005]. FS Date: 3/4/2014					

LM Start	<b>3.41</b>	Rating **	M	Issue No.	<b>402 (cont)</b>
LM End	<b>3.41</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_31917\_58279.jpg



View of landward side, photo 1 of 2.

Photo 2 of 2 : UCIP\_FA\_2016\_31917\_58282.jpg



View of landward side, photo 2 of 2.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.55	Rating **	M	Issue No.	409
LM End	3.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.775208 °	38.775208 °
				-121.687070 °	-121.687070 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:38996  
DS\_ID:19528  
EP\_NO: 3722  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Pipe visible only on waterward side--Pipe needs to be properly abandoned per Title 23. Need to contact owner to determine status of crossing.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 10-inch steel pipe through the levee, 3 feet below the crown. 1.5-inch conduit 1 foot below the crown. Pump and gate valve on the waterside (WS) bank. Metal cutoff walls at centerline of levee. Siphon breaker is located on the landside (LS) shoulder in a 12-inch concrete riser. Pipe connects to existing 24-inch concrete standpipe at LS toe. (Permit No. 3722, 1961 - Traganza). No standpipe found on LS toe. In the 1955 DWR Levee Log the crossing was referenced as a 10-inch pipe at 5.3 feet below the crown at HLM 3.60. [Additional Reference(s): DWR Levee Log, 1955, 1990, and 2005].  
FS Date: 3/4/2014

LM Start	<b>3.55</b>	Rating **	M	Issue No.	<b>409 (cont)</b>
LM End	<b>3.55</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_38996\_69568.jpg



View of landward side.

Photo 2 of 2 : UCIP\_FA\_2016\_38996\_69567.jpg



Debris scattered on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Yolo County Service Area 6

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	3.71	Rating **	M	Issue No.	131
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.773130 °	38.772706 °
				-121.688454 °	-121.688927 °
DWR ID	DWR_NA0022_01_s _ 2016_131				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height and trim trees.					

No Photos

LM Start	3.80	Rating **	M	Issue No.	132
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.772128 °	38.772128 °
				-121.689621 °	-121.689621 °
DWR ID	DWR_NA0022_01_s _ 2016_132				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.94	Rating **	M	Issue No.	98
LM End	3.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.770873 °	38.770873 °
				-121.691643 °	-121.691643 °
DWR ID	DWR_NA0022_01_s _ 2016_98				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_98\_20160913\_00068.jpg



View of the couch on the waterward side of the levee looking downstream. Spring 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Yolo County Service Area 6

No Photos

Page 63 of 80



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.01	Rating **	M	Issue No.	410
LM End	4.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.770295 °	38.770295 °
				-121.692580 °	-121.692580 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:38999  
DS\_ID:19529  
EP\_NO: 4570  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner to determine status of crossing. CMP riser damage on waterward slope.  
FIELD\_STRUCT\_DESC: 16-inch pipe through the levee, 5.0 feet below the crown. Metal plate welded on the waterside (WS) end. Pump, 1.5-inch conduit, and gate valve in concrete U-headwall are located on the WS bank, installed under Permit 7618A (1971). Pipe extends from pump to concrete standpipe on the landside (LS), pipe exposed on the LS slope. Water meter in 36-inch corrugated metal pipe (CMP) riser located on the WS slope. Siphon breaker on the LS shoulder, in 7-inch metal riser. 30-inch concrete riser at toe of LS slope. Metal cutoff wall installed. (Permit No. 4570, 1964 - England Brothers). [Additional Reference(s): DWR Levee Log, 1990 and 2005].  
FS Date: 3/4/2014

LM Start	<b>4.01</b>	Rating **	M	Issue No.	<b>410 (cont)</b>
LM End	<b>4.01</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_38999\_57948.jpg



View of landward side.

Photo 2 of 2 : UCIP\_FA\_2016\_38999\_57947.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.11	Rating **	M	Issue No.	134
LM End	4.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.769021 °	38.767275 °
				-121.693645 °	-121.693448 °
DWR ID	DWR_NA0022_01_s_2016_134				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.25	Rating **	A/W	Issue No.	36
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767125 °	38.764582 °
				-121.693267 °	-121.690285 °
DWR ID	DWR_NA0022_01_s_2012_36				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_NA0022\_350\_36\_20160913\_00032.jpg



Another view of the site.

LM Start	<b>4.25</b>	Rating **	A/W	Issue No.	<b>36 (cont)</b>
LM End	<b>4.49</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2016\_NA0022\_350\_36\_20160913\_00033.jpg



Fence, irrigation and stakes in the revegetation site.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.26	Rating **	M	Issue No.	135
LM End	4.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.767056 °	38.767056 °
				-121.693184 °	-121.693184 °
DWR ID	DWR_NA0022_01_s_2016_135				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove trees less than 4" in diameter at chest height.					

No Photos

LM Start	4.44	Rating **	M	Issue No.	405
LM End	4.44	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °
				-121.690963 °	-121.690963 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31986 DS_ID:19530 EP_NO: 9409 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 6.4 feet below the crown. Pump and control valve are located on the waterside (WS) bank. Ramp is located on landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9409, 1974 - Russell). [Additional Reference(s): DWR Levee Log, 1990 and 2005]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_31986\_58442.jpg



View of landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.44	Rating **	M	Issue No.	405 (cont)	
LM End	4.44	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.765142 °	38.765142 °	
				-121.690963 °	-121.690963 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31986						
DS_ID:19530						
EP_NO: 9409						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump station not found. Crossing appears to be abandon. Need to contact owner to determine status. Repair site on waterward side--waterward slope revegetated.						
FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 6.4 feet below the crown. Pump and control valve are located on the waterside (WS) bank. Ramp is located on landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9409, 1974 - Russell). [Additional Reference(s): DWR Levee Log, 1990 and 2005].						
FS Date: 3/4/2014						

Photo 2 of 2 : UCIP\_FA\_2016\_31986\_58439.jpg



Pipe through levee punctured visible on landward slope.

LM Start	4.44	Rating **	A/W	Issue No.	81
LM End	4.44	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.765079 °	38.765079 °
				-121.690887 °	-121.690887 °
DWR ID	DWR_NA0022_01_s_2015_81				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree is dying and should be monitored.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_81\_20160913\_00055.jpg



View of the dying tree on the waterward side of the levee looking downstream. Spring 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.52	Rating **	U	Issue No.	417
LM End	4.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.764248 °	38.764248 °
				-121.689918 °	-121.689918 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49983 DS_ID:19537 EP_NO: 18298 Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/13/2016 same as last inspection - hole is still present near siphon breaker. Dense vegetation present and limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)3/04/2014 Subsidence visible where siphon breaker is located on landward side. Unable to determine if subsidence is due to poor compaction or leak at siphon breaker. Need to contact owner to address issue. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 14-inch steel water pipe through the levee, 2 feet below the levee crown. Pump platform is supported by 6 pilings located on the waterside (WS) slope. Siphon breaker and air release valve are located on the landside (LS) shoulder. Concrete distribution box is located on the LS toe. Rock riprap is used as armor along the WS slope. (Permit No. 18298, 2007 - Heidrick) FS Date: 7/13/2016					

LM Start	<b>4.52</b>	Rating **	U	Issue No.	<b>417 (cont)</b>
LM End	<b>4.52</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_49983\_69573.jpg



View of LS--subsidence near levee crown.

Photo 2 of 2 : UCIP\_FA\_2016\_49983\_69572.jpg



Power pole with conduit line through levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.62	Rating **	M	Issue No.	136
LM End	4.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.763380 °	38.763380 °
				-121.688339 °	-121.688339 °
DWR ID	DWR_NA0022_01_s_2016_136				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.66	Rating **	M	Issue No.	3
LM End	4.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.763486 °	38.763313 °
				-121.687567 °	-121.684038 °
DWR ID	DWR_NA0022_01_s_2016_3				
Comment Code					
Inspector Comment					
2009 - Erosion into the levee toe. Some cobbles have been dumped into the erosion pockets. 2010 - Old cobble site starting to unravel. 2012 - Slope continues to steepen and new animal holes. 2013 - Downstream cobble is unraveling. 2015: No observed changes. [2015 Site ID: SAC_85-4_R]					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_3\_20160913\_00002.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.69	Rating **	U	Issue No.	418
LM End	4.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.763087 °	38.763087 °
				-121.687125 °	-121.687125 °
DWR ID					

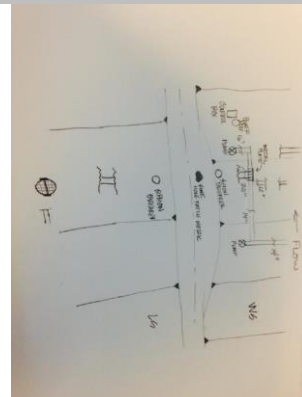
**Comment Code**

**Inspector Comment**

FS\_ID:49984  
DS\_ID:19531  
EP\_NO: 9408  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 7/13/2016 Same as last inspeciton. Sink hole repair visible on levee road. Recommend contacting owner to determine if an internal integrity inspection of the pipe was completed to confirm sink hole was not the cause of the damage to road. If no internal integrity inspection was completed during road repair, recommend an internal integrity inspection be completed at this location based on the sink hole that developed along pipe alignment and based on age of pipe. (DWR UCIP - omagana)3/04/2014 Signs of sink hole repair on levee crown. Owner will need to contact CVFPB to address sink hole repair. (DWR UCIP - omagana)  
FIELD\_STRUCT\_DESC: 20-inch steel pipe through the levee, 4.7 feet below the crown. Two slant pumps located on the waterside (WS) slope. Two steel protective housing units are located on lanside (LS) shoulder and WS shoulder. Ramp is located on LS slope. (Automatic Board Order (ABO) issued as Permit No. 9408, 1974 - Davidella, Grace and Florence Hershey, Estates). [Additional Reference(s): DWR Levee Log, 1955, 1990, and 2005].  
FS Date: 7/13/2016

LM Start	<b>4.69</b>	Rating **	U	Issue No.	<b>418 (cont)</b>
LM End	<b>4.69</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_49984\_58451.jpg



Plan view of crossing and appurtenances at CLM 4.692.

Photo 2 of 2 : UCIP\_FA\_2016\_49984\_58457.jpg



View of LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	4.87	Rating **	M	Issue No.	137
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.763066 °	38.762540 °
				-121.683934 °	-121.681197 °
DWR ID	DWR_NA0022_01_s_2016_137				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.92	Rating **	C	Issue No.	138
LM End	4.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.763177 °	38.763177 °
				-121.682974 °	-121.682967 °
DWR ID	DWR_NA0022_01_s_2016_138				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at levee toe.					

No Photos

LM Start	5.03	Rating **	M	Issue No.	139
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762541 °	38.762541 °
				-121.681197 °	-121.681197 °
DWR ID	DWR_NA0022_01_s_2016_139				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove willows.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.07	Rating **	U	Issue No.	140
LM End	5.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.762163 °	38.762163 °
				-121.680674 °	-121.680674 °
DWR ID	DWR_NA0022_01_s_2016_140				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.11	Rating **	U	Issue No.	141
LM End	5.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.761632 °	38.761435 °
				-121.680132 °	-121.679986 °
DWR ID	DWR_NA0022_01_s_2016_141				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.15	Rating **	M	Issue No.	142
LM End	5.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.761251 °	38.760518 °
				-121.679849 °	-121.679041 °
DWR ID	DWR_NA0022_01_s_2016_142				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.19	Rating **	M	Issue No.	100
LM End	5.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.760703 °	38.760703 °
				-121.679320 °	-121.679320 °
DWR ID	DWR_NA0022_01_f_2015_100				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	5.28	Rating **	M	Issue No.	145
LM End	5.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.760056 °	38.759670 °
				-121.677844 °	-121.674506 °
DWR ID	DWR_NA0022_01_f_2016_145				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_145\_20161010\_00169.jpg



Fence on WS slope near levee crown. Fall inspection 10/07/2016.

LM Start	5.28	Rating **	M	Issue No.	144
LM End	5.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.760047 °	38.759669 °
				-121.677828 °	-121.674507 °
DWR ID	DWR_NA0022_01_f_2016_144				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_144\_20161010\_00168.jpg



Fence on LS slope near levee crown. Fall inspection 10/07/2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.29	Rating **	M	Issue No.	127
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.760013 °	38.759997 °
				-121.677758 °	-121.677724 °
DWR ID	DWR_NA0022_01_f_2016_127				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.47	Rating **	M	Issue No.	403
LM End	5.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.759678 °	38.759678 °
				-121.674492 °	-121.674492 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:31927 DS_ID:19532 EP_NO: 3811 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.6 feet below the crown. Pump is located at toe of waterside (WS) slope, on bank of river. Standard cutoff wall around pipe at center of levee. Standpipe is located at the toe of landside (LS) slope. Siphon breaker is located on the LS shoulder. This crossing replaces the previous USACE O&M irrigation pipe referenced at Station 27+49. (Permit No. 3811, 1962 - Inglin) [Additional Reference(s): DWR Levee Log, 1990 and 2005. USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 27+49)]. FS Date: 3/4/2014					

Photo 1 of 2 : UCIP\_FA\_2016\_31927\_58332.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.47	Rating **	M	Issue No.	403 (cont)	
LM End	5.47	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.759678 °	38.759678 °	
				-121.674492 °	-121.674492 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:31927						
DS_ID:19532						
EP_NO: 3811						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Unable to confirm is crossing is still in use. Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.6 feet below the crown. Pump is located at toe of waterside (WS) slope, on bank of river. Standard cutoff wall around pipe at center of levee. Standpipe is located at the toe of landside (LS) slope. Siphon breaker is located on the LS shoulder. This crossing replaces the previous USACE O&M irrigation pipe referenced at Station 27+49. (Permit No. 3811, 1962 - Inglin) [Additional Reference(s): DWR Levee Log, 1990 and 2005. USACE Sacramento O&M Manual Unit No. 127, June 1953, (Station 27+49)].						
FS Date: 3/4/2014						

Photo 2 of 2 : UCIP\_FA\_2016\_31927\_58331.jpg



Rip rap along waterward slope.

LM Start	5.50	Rating **	M	Issue No.	146
LM End	5.50	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759614 °	38.759614 °
				-121.673945 °	-121.673945 °
DWR ID	DWR_NA0022_01_f_2016_146				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.50	Rating **	M	Issue No.	1
LM End	5.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759620 °	38.759412 °
				-121.673903 °	-121.673167 °
DWR ID	DWR_NA0022_01_s_2012_1				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_1\_20160913\_00001.jpg



The house and landscape are in the easement of the levee. Fall 2011

LM Start	5.50	Rating **	M	Issue No.	82
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759594 °	38.759594 °
				-121.673860 °	-121.673860 °
DWR ID	DWR_NA0022_01_s_2015_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A tree fell over on the waterward side of the levee.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_82\_20160913\_00056.jpg



View of the fallen tree on the waterward side of the levee looking downstream. Spring 2015.

LM Start	5.51	Rating **	M	Issue No.	143
LM End	5.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.759529 °	38.759529 °
				-121.673670 °	-121.673670 °
DWR ID	DWR_NA0022_01_s_2016_143				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.54	Rating **	M	Issue No.	148
LM End	5.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759426 °	38.758583 °
				-121.673223 °	-121.670643 °
DWR ID	DWR_NA0022_01_f_2016_148				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	5.55	Rating **	M	Issue No.	147
LM End	5.70	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759366 °	38.758528 °
				-121.673027 °	-121.670497 °
DWR ID	DWR_NA0022_01_f_2016_147				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	5.56	Rating **	M	Issue No.	83
LM End	5.56	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.759339 °	38.759339 °
				-121.672863 °	-121.672863 °
DWR ID	DWR_NA0022_01_s_2015_83				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings and fallen tree are on the waterward side of the levee.					

Photo 1 of 1 : FA\_2016\_NA0022\_350\_83\_20160913\_00057.jpg



View of the tree and tree limbs on the waterward side of the levee looking downstream. Spring 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.67	Rating **	M	Issue No.	4
LM End	5.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.759000 °	38.759390 °
				-121.670759 °	-121.667500 °
DWR ID	DWR_NA0022_01_s_2016_4				
Comment Code					

Photo 1 of 3 : FA\_2016\_NA0022\_350\_4\_20160913\_00003.jpg



USACE 2013 Photo #1

**Inspector Comment**

2006 - Approximately 18 to 20 ft of bank near levee at the corner of the levee and the Freemont Weir. Vertical bank with undercutting/mass failure. 2007 - Staked at top of bank for monitoring. 2011 - Site has become significantly worse with more of the toe and lower bank eroded. Many trees have fallen since last year. 2012 - Site looks worse with more erosion around trees. 2013 - Additional erosion into the toe. 2015: Site extended upstream about 500 ft to account for eroding bank. [2015 Site ID: SAC\_83-9\_R]

LM Start	<b>5.67</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>5.85</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA\_2016\_NA0022\_350\_4\_20160913\_00004.jpg



USACE 2013 Photo #2

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Yolo County Service Area 6**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Right Bank of Sacramento River at Knights Landing	Right	5.87	10/07/2016 10/07/2016	Oleg Yakimov

LM Start	5.83	Rating **	U	Issue No.	84 (cont)	
LM End	5.83	Issue Type +	Ob	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.758960 °		38.758960 °
				-121.668200 °		-121.668200 °
DWR ID	DWR_NA0022_01_s_2015_84					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						

LM Start	<b>5.83</b>	Rating **	U	Issue No.	<b>84 (cont)</b>
LM End	<b>5.83</b>	Issue Type +	Ob	Location *	WS

Photo 2 of 3 : FA\_2016\_NA0022\_350\_84\_20160913\_00058.jpg



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

Photo 3 of 3 : FA\_2016\_NA0022\_350\_84\_20160913\_00059.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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